



Aqara M200 Hub Introduction

continuous connection

Content

- **Product Introduction**
- **Product Installation**
- **Configuration on App**
- **FAQ**

Product Overview

The Aqara Hub M200 is a versatile smart hub that connects Aqara Zigbee devices and brings Matter compatibility through its built-in Matter Controller, Thread Border Router, and Matter Bridge. It also supports IR control with status feedback and Matter integration for ACs. With dual-band Wi-Fi, Power over Ethernet (PoE), USB-C power, and local automation capabilities, the M200 offers reliable performance. It also provides seamless integration with Apple HomeKit and other major platforms.



Selling Points

➤ Zigbee Hub and Matter Bridge

It can be used as Thread Border Router, Matter Bridge and Matter Controller, and can be used to connect Thread devices and Zigbee devices to Homekit and third-party matter ecosystem through this gateway.

➤ Superior Wired and Wireless Connectivity

Support RJ45 wired connection, support PoE, support 2.4G 5GHz dual band Wi-Fi6

➤ Infrared Control with Feedback and Learning

The function is the same as gateway M3, with infrared transceiver capability, can learn custom infrared code

➤ Third-Party Matter Devices Support

Access to third-party matter devices

➤ Voice control with Voice Mate

Connectable Bluetooth daughter devices, Aqara Voice Companion H1 (To be launched)

➤ Local Automations

Support Ark 2.0 technology to ensure that Zigbee and Matter device automation is performed locally to the greatest extent possible;

Interface and Accessories

Interface

- 1*RJ45, 100Mbps, PoE support, 48V 0.25A input
- 1*USB Type-C, support power supply data communication, 5V2A input, up to 5V1A output
- 1*USB Type-A, support data communication, up to 5V1A output

Accessories

- Overseas online/offline/Japan version: 1*USB-A TO Type-C 1m power cable

Interface and Accessories



Hub M2 can be powered from any 5V 1A power source such as a smart phone charger or USB wall outlet.

Product Specification

Specification Category	Specifications	Description	Remark
Communication Protocol	2.4G Wi-Fi	Support	Dual-band Wi-Fi, WiFi6
	5G Wi-Fi	Support	
	Ethernet	Support	
	Zigbee	Support	
	Thread	Support	
	BLE	Support, connect Bluetooth child devices	Aqara Voice Companion H1 (To be launched)
	Matter Controller	Support	
	Matter Bridge	Support	
	IR	Send and receive support	Support air conditioning mode, infrared learning
Port	Type-C	*1,5V2A input, maximum 5V1A output	without adapter; support external LTE USB dongle
	Type-A	*1,max.5V1A output	
	RJ45	*1, Support PoE power supply,48V 0.25A input	
Key	key	*1, Gateway function key	Gateway universal key function
Loudspeaker	loudspeaker	*1, ring tone broadcast	
Indicator Light	indicator light	*1, indicating device status	Gateway general indicator status

Product Comparison - Hardware

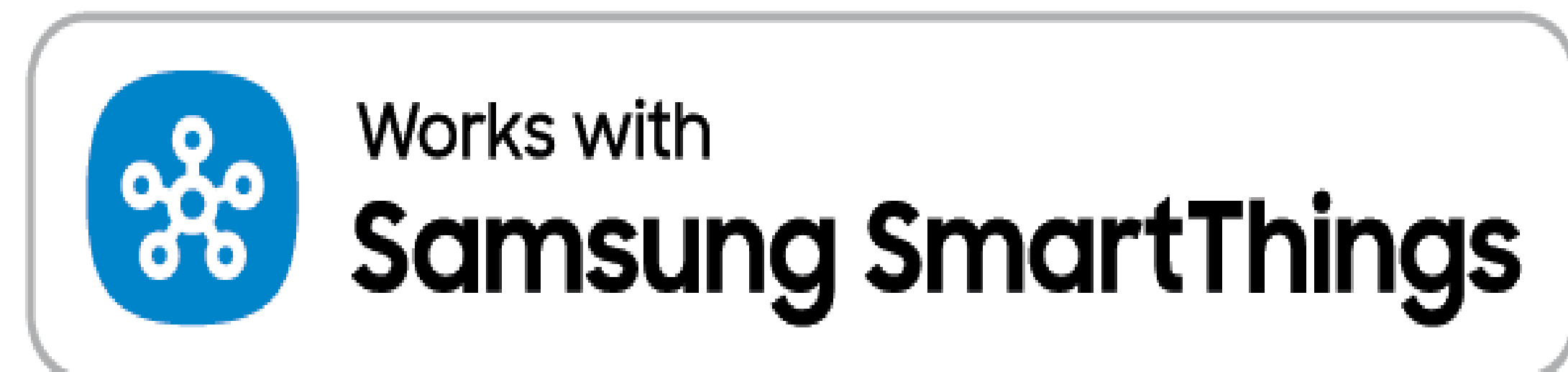
Product	Aqara Hub M200	Aqara Hub M2	Aqara Hub M100	Aqara Hub E1	Aqara Hub M1S Gen 2	Aqara Hub M3
Type	Matter Ctrl + Thread BRMatter BridgeIR Controller	Matter BridgeIR Controller	Matter Ctrl + Thread BRMatter Bridge	Matter Bridge	Matter Bridge	Matter Ctrl + Thread BRMatter BridgeIR Controller
Picture						
Protocols	Wi-Fi6 2.4/5 GHz, PoE, Thread, Zigbee (Aqara only), IR, BLE	Wi-Fi 2.4GHz, RJ45, Zigbee (Aqara only), IR	Wi-Fi 2.4GHz, Thread, Zigbee (Aqara only)	Wi-Fi 2.4GHz, Zigbee (Aqara only)	Wi-Fi 2.4GHz, Zigbee (Aqara only)	Wi-Fi6 2.4/5 GHz, PoE, Thread, Zigbee (Aqara only), IR, BLE
AC Control	AC Thermostat Mode (w/Status Sync and Matter)	Regular IR	N/A	N/A	N/A	AC Thermostat Mode (w/Status Sync and Matter)
IR Range	Emission: 8.5~18m 360°Reception: 8~9m 360°	Not measured, but 2-3 meters shorter than the M200	N/A	N/A	N/A	Emission: 19~35m 360°Reception: 18m 360°
Ecosystems	Matter (Apple, Google, Alexa, SST, HA, Homey)	Matter (Apple, Google, Alexa, SST, HA, Homey)	Matter (Apple, Google, Alexa, SST, HA, Homey)	Matter (Apple, Google, Alexa, SST, HA, Homey)	Matter (Apple, Google, Alexa, SST, HA, Homey)	Matter (Apple, Google, Alexa, SST, HA, Homey)
Matter Bridging	Supported	N/A	Supported	N/A	N/A	Supported
Local Storage	Edge hub	N/A	N/A	N/A	N/A	8 GB eMMC
Local/Edge Hub	Local Hub	Local Hub	Local Hub	Local Hub	Local Hub	Edge Hub
Speaker	90 dB10 cm	85 dB10 cm	N/A	N/A	Yes	95 dB10 cm
Ports / Power	Power: USB-C, Ethernet RJ-45 , PoE, USB-A	Power: Micro USB, Ethernet RJ-45USB-A	Power: USB-A (male)	Power: USB-A (male)	Power: Built-in 2-pin power plug	Power: USB-C, Ethernet RJ-45 +PoE
Child Devices Max	40 Aqara Zigbee+40 Thread	128 Zigbee	20 Aqara Zigbee+20 Thread	128 Aqara Zigbee	128 Aqara Zigbee	127 Aqara Zigbee+127 Thread
Other Functionalities	N/A	N/A	N/A	Wi-Fi Repeater	RGB LightIllumination Sensor	N/A

Product Comparison - Connect to Child Device

Product	Hub M100	Hub M200	Doorbell Hub G410	Camera Hub G5 Pro	Hub M3	Notes
Max Child Device	20 Aqara Zigbee + 20 Thread	40 Aqara Zigbee + 40 Thread	40 Aqara Zigbee + 40 Thread	40 Aqara Zigbee + 40 Thread	127 Aqara Zigbee + 127 Thread	Zigbee device only support Aqara brand. Aqara and Third party Matter over Thread device.
Matter over Wi-Fi Device	No Limitation					Can connect to Aqara and Third party Matter over Wi-Fi devices
BLE Device	/	No Limitation	/	/	No Limitation	Only support Aqara BLE devices such as Voice Companion H1 (TBD)
Note: Third party device support: none of the above Hubs support connecting to third party BLE, Wi-Fi, Zigbee, or Z-Wave child devices. Can connect to Matter over Wi-Fi / Ethernet third party devices.						

Wide Compatibility with Third-party Ecosystem

Gateway M200 supports a rich range of other third-party ecosystems, including Apple Home via HomeKit, Google, Alexa and Samsung smartthings.



Content

- **Product Introduction**
- **Product Installation**
- **Configuration on App**
- **FAQ**

Installation

Install

- The gateway M200 has nut holes on the bottom and supports three methods of flat mounting/top mounting/wall mounting. If wall/roof mounting is required, it needs to be installed with a bracket with 1/4 inch nut hole (bracket needs to be purchased separately);
- The infrared function of gateway M200 is equivalent to gateway M3, but the infrared emission and reception performance is weaker than M3. If infrared function is required, the distance between gateway and infrared controlled equipment shall be paid attention to;

Power Supply

- Gateway M200 supports PoE power supply and TypeC power supply, 48V 0.25A /5V 2A ;
- Gateway M200 TypeC port 5V 0.5A adapter can be used normally, if the USB Type A port load, there will be a normal start-up situation;
- If PoE power supply,Type-C and Type-A are both loaded, it can start at this time, but it may hang up at the time of instantaneous high power, but this use scenario is very rare and has not been specially handled.

Content

- **Product Introduction**
- **Product Installation**
- **Configuration on App (TBD)**
- **FAQ**

Content

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- **FAQ**

FAQ

1. How do I connect the Aqara Hub M200 with the app?

Please follow the steps below: Step 1: If this is your first use, please follow the guidance of user manual to install correctly; when the yellow light starts to flash, the M200 Hub enters pairing mode. Step 2: 1) Open the Aqara Home app> Click + in the upper right corner>press “Add Accessory” 2) Click the Hub M200 after searching, verify the router information 3) Click next, and wait for the connection to be successful. Step 3: If the network environment of the Hub M200 changes, please re-pairing the Hub M200, long press the button for 10 seconds until the yellow light flash, and repeat the step 2.

2. What is the difference between the Aqara Hub M200 and the Aqara Hub M2?

1. The M200 is a Matter controller and a Thread board router (BR), capable of connecting ZigBee and Thread sub-devices, while the M2 only supports connecting ZigBee sub-devices. 2. The M200 supports connecting Bluetooth sub-devices such as Aqara voice mate, but the M2 does not. 3. The M200 supports infrared signal emission and reception, while the M2 only supports emission. 4. The M200 has upgraded the micro-USB port of the M2, changing it to a Type C port that supports power supply and data communication.

3. How many child devices can the Aqara Hub M200 support?

The Aqara Hub M200 supports simultaneous connection of Zigbee and Thread child devices. Data tests conducted by the Aqara laboratory have shown that even when connecting 40 Zigbee and 40 Thread child devices simultaneously, it can still maintain a high success rate of automated execution. Note: 1. Currently, the Aqara Hub only supports connection to Aqara Zigbee child devices and does not support connection to third-party Zigbee child devices. 2. The number of sub-devices bound to the Hub can be viewed on the "child devices" page of the Aqara Home app - under the "Hub Devices" section.

4. What if the Aqara Hub M200 fails to connect to Wi-Fi?

Follow these steps:

1. Keep your phone close to the gateway and make sure the gateway light is blinking yellow.
2. If you have a commercial router, disable the “Disable mDNS to wireless clients” setting
3. Try to use other Wi-Fi or create a Wi-Fi hotspot with your cell phone so that you can know if the pairing failure is due to the weak signal of the previous Wi-Fi.
4. If the pairing attempts fail several times, you may need to reboot your phone to clear the memory cache.

FAQ

5. What installation methods does the Aqara Hub M200 support? How to choose the installation location?

1. The Aqara Hub M200 supports flat placement, wall mounting and ceiling mounting. If you need wall mounting/ceiling mounting, you need to use a bracket with 1/4-inch nut holes (the bracket needs to be purchased separately).
2. It is recommended to install it in the center of the area where the sub-devices are located to ensure stable communication between the Hub and each sub-device. If the distance between the sub-devices and the Aqara Hub M200 is too far, it may cause offline issues for the sub-devices. In this case, please add another Hub and connect the sub-devices nearby to the appropriate Hub.
3. The Aqara Hub M200 should not be too far from the router to ensure stable Wi-Fi communication. A straight-line distance of 2 to 6 meters is the best.
4. If you need to use the infrared function of the Aqara Hub M200, choose the appropriate installation location. Pay attention to ensuring that there are no obstructions between the emitting surface of the Hub and the receiving device (such as air conditioners/televisions, etc.).

6. What is the connection distance between sub-devices and the Aqara Hub M200? Can it go through walls?

The operating distance between a sub-device and the Aqara Hub M200 may vary depending on the indoor environment. In most home settings, it is recommended that the distance between a sub-device and the Hub does not exceed 10 meters, with no more than two concrete walls in between to ensure stable connectivity.

7. How to add ZigBee child devices to the Aqara Hub M200?

Aqara Hub M200 can only support connecting with the Aqara ZigBee devices.

1. ZigBee child devices must be connected to the Aqara Home app through the Hub. When connecting, select the Hub to bind according to the APP's instructions;
2. If you need to switch to a different Hub for a ZigBee sub-device, please remove the ZigBee sub-device from the Aqara Home app first, then add it again and re-select the Hub for it to be bound to
3. In the Aqara Home APP, you can go to the Aqara Hub devices setting page > Child devices and view the list of Child devices bound to the Hub.

8. Why are child devices often offline from the Aqara Hub M200?

1. It may be too far from the Hub M200, or there may be a metal obstruction in the way of the signal. Try to bring the device closer to the Hub and avoid any metal obstructions;
 2. The battery of the sub-device may be depleted and needs to be replaced.
- Tip: To ensure optimal performance, please upgrade the device firmware promptly to maintain compatibility and stable communication between devices.

FAQ

9. How to identify child devices of the same type bound to the same Hub?

You can look up the device's information log to distinguish devices; also, when adding devices, it is recommended to distinguish them according to the installation location or usage on the app and rename the devices.

10. What are the differences between the infrared function of the Aqara Hub M200 and that of the Hub M2? On the "Hub M200" page of the Aqara Home APP, what are the differences between the air conditioner remote control added through "Infrared Remote Control" and "Air Conditioner Mode"?

1. The Hub M200 can receive and send infrared signals, while the Hub M2 can only send but not receive. In daily use, if you control the air conditioner using the dedicated remote control, the Hub M2 will fail to synchronize the air conditioner status because it cannot receive the infrared signal from the remote control, while the Hub M200 can receive the infrared signal from the remote control and can update the air conditioner status in the APP;
2. The air conditioner remote control added through "Air Conditioner Mode" can be synchronized to the third-party Matter ecosystem through the Matter Bridge; while the air conditioner remote control or other device types' remote controls added through "Infrared Remote Control" or other methods can only be used in the Aqara Home APP.

11. Can the Bluetooth child devices connect to this Aqara Hub M200?

Aqara Hub M200 supports connecting to Bluetooth child devices, such as Aqara voice mate.

12. Why can't Wi-Fi smart devices be added to the Aqara Hub M200?

1. Wi-Fi devices connected to the app communicate through a local area network (LAN) built around the router and Hub to achieve smart interaction within the network. Alternatively, they connect to the cloud via the router, and the cloud sends execution commands to the corresponding Wi-Fi devices based on the set smart scenes.
2. The working principle of Wi-Fi devices determines that it can achieve interconnection through the above two methods, and it does not need and cannot connect to the Hub.

13. Why don't I need to scan the QR code on the Aqara M200 when binding it to Aqara Home?

Unlike the Hub M3, the M200 does not support eMMC storage and is not defined as a security device. There is no need to scan the QR code on the device through the Aqara Home App to complete device binding.

14. What is Accidental Removal Protection for the Aqara Hub M200? How do I use it?

This feature prevents an accidental device network reset caused by accidental operations on the device's function button (e.g., long pressing the function button for 10 seconds), which could result in the device going offline. After enabling the accidental removal protection feature, the device can only be unbound via the app (if the device is connected to the network normally).

You can enable this feature through the "accidental removal protection " option in Aqara Hub M200 device settings in the Aqara Home app.

FAQ

15. Which Hub can be migrated by Aqara Hub M200?

Aqara Hub M200 currently supports migration from Hub M200 and Hub M100. Support for more models is coming soon—stay tuned!

16. What is Ark Technology?

Ark Technology is a distributed, multi-layered local disaster recovery technology within the Aqara Smart Home System. Currently, Ark Technology has been updated to version 2.0. It includes local Hub automation capabilities, central Hub local automation capabilities, multiple Hub backup switching, and proxy Hub disaster recovery. It can provide disaster recovery protection against potential unexpected failures or issues across various levels such as cloud servers, external communication networks, routers, central Hubs, and Hubs. This ensures the maximum effort to maintain local automation and scene execution, enhancing the reliability and stability of the Aqara Smart Home System.

17. What are the disaster recovery capabilities of the proxy Hub?

When Aqara Hub produces (i.e. Hub M3, Hub M2, Camera G3, etc. with Hub functions) fail or are powered off, ZigBee devices that have been connected to the Hub and can act as a proxy Hub, and will be responsible for some basic local automation and scene execution.

18. What devices are currently supported as proxy Hubs?

There are the Aqara overseas version Aqara devices that support work as proxy Hub, please make sure that the device with the latest firmware:

Aqara LED Strip T1

Aqara Ceiling Light T1M

Aqara Smart Wall Switch H2 EU version

Aqara Dual Relay Module T2

19. What are the precautions for proxy Hub disaster recovery?

1. Because the disaster recovery of the proxy Hub involves coordination between different devices in the system, the firmware of the devices (including Hub firmware, proxy Hub firmware, and firmware of other ZigBee Router devices) need to be updated to the latest version to have suitable coordination capabilities.

If the firmware of some devices are not the latest and do not have the coordination capabilities of the Ark proxy Hub technology, the triggering and execution of some automation scenarios by the proxy Hub may fail.

2. In addition, as a disaster recovery method in extreme cases, the proxy Hub disaster recovery technology can only support some simple automation conditions and actions (such as single-pressing a switch, turning on a device, turning off a device, etc.), and may not be able to support some complex automations.

FAQ

20. When the Hub's network connection is disconnected, why can some smart scenes still be executed but others cannot?

1. The execution methods of smart scenes are divided into cloud execution and local execution. Manually executed smart scenes are always cloud-executed, while automatically executed smart scenes can have their execution method viewed in the "More Settings" section of the smart scene.
2. For smart scenes executed in the cloud, the signal sensed by the triggering device needs to be uploaded to the cloud through the network, and the cloud will then send the corresponding control command to the execution device. Therefore, once the Hub is disconnected from the network, the smart scene cannot be executed;
3. In the locally executed smart scene, the triggering device will send the sensed signal to the Hub, and the Hub will send the corresponding control command to the execution device via Bluetooth, ZigBee or LAN .Therefore, even if the router can not connect to the external network, as long as the communication connection between the Hub and the execution device is normal, the smart scene can still be executed.

21. Why can't the Aqara Hub M200 and its child device devices be remotely controlled after being connected to HomeKit?

After adding the Aqara device to the Apple Home app, you will also need to install a HomePod or Apple TV (tvOS 11.0 or later) that has been set as a home Hub to achieve remote control. For specific operations, please refer to the Apple Home app.

22. Why can't some child devices be found in the Home app?

When the Aqara Hub M200 was added to the Home app, only child devices that support HomeKit function can be displayed in the Home app.

23. How to connect to third-party Matter ecosystems? What capabilities does Aqara Advanced Bridge function offer?

1. Using Hub with Aqara Advanced Bridge functionality (Aqara Hub M3, M2, M1S, M200, E1, M100, Hub G5 Pro, Camera Hub G3, Doorbell Camera Hub G410), you can connect to third party Matter ecosystems, such as Apple Home, Google Home, Amazon Alexa, Samsung SmartThings, Home Assistant, Homey;
2. Taking Home Assistant as an example, go to Settings — Devices & services — Add integration — Add matter device — Scan QR code, and scan the Hub's Matter QR code (found in the hub manual or Aqara home app —Settings — Device page Expose to Matter);
3. Through the Aqara Advanced Bridge function, Aqara scenes or private functions can be bridged to third-party Matter ecosystems.

For detailed information, please visit the Aqara official website.

<https://www.aqara.com/us/explore/introducing-advanced-matter-bridging/>

<https://www.aqara.com/us/explore/everything-matter/>

THANK YOU